

LOW LATENCY VIDEO DECODER WITH HIGH-QUALITY,
VARIABLE SCALING AND MINIMAL FRAME BUFFER MEMORY

ABSTRACT OF THE DISCLOSURE

Loss of decoding time prior to the vertical
synchronization signal when motion video is
arbitrarily scaled and positioned by placing the
frame switch point at the completion of frame
5 decoding and synchronizing the bottom border of the
scaled image therewith while maintaining low latency
of decoded data. High latency operation is provided
only when necessitated by minimal spill buffer
capacity and in combination with fractional image
10 size reduction in the decoding path in order to
maintain image resolution without requiring
additional memory.